

## Combined Higher Secondary Level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	04/08/2023
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2023 Tier I

Section : English Language

**Q.1** Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

- (A) further that further treatment
- (B) useless
- (C) the doctor concluded
- (D) would be

Ans ✓ 1. CADB

✗ 2. BDCA

✗ 3. CBAD

✗ 4. BCAD

Question ID : 264330148713

Status : Answered

Chosen Option : 1

**Q.2** Select the most appropriate synonym for the underlined word in the given sentence.  
We cannot achieve success until these antiquated policies are not amended.

Ans ✓ 1. Outdated

✗ 2. Current

✗ 3. New

✗ 4. Updated

Question ID : 264330143127

Status : Answered

Chosen Option : 1

**Q.3** Select the correct spelling of the underlined word.  
It would be proudent to wait for some more time before selling off the property.

Ans ✓ 1. prudent

✗ 2. proudent

✗ 3. prodent

✗ 4. proodant

Question ID : 264330149879

Status : Answered

Chosen Option : 1

**Q.4** Select the most appropriate option that can substitute the underlined segment in the given sentence.  
No sooner had I finished my final exam that my friends invited me to join them on a trip to Europe.

- Ans
- 1. then my friends invited
  - 2. than my friends invited
  - 3. that my friend invited
  - 4. when my friends invited

Question ID : 264330143135  
Status : Answered  
Chosen Option : 2

**Q.5** The following sentence has been divided into four parts. One of them contains an error. Select the part that contains the error from the given options.  
The rich / should / help / poor.

- Ans
- 1. help
  - 2. should
  - 3. poor
  - 4. The rich

Question ID : 264330147557  
Status : Answered  
Chosen Option : 3

**Q.6** Select the option that expresses the given sentence in active voice.  
The bell is rung by the peon.

- Ans
- 1. The peon rang the bell.
  - 2. The peon rings the bell.
  - 3. The peon has rang the bell.
  - 4. The peon rang the bell.

Question ID : 264330147561  
Status : Answered  
Chosen Option : 2

**Q.7** Select the option with the correct spellings to replace the underlined words in the given sentence.  
There was an anouncement by the director of the company that grabed the attention of all the employees.

- Ans
- 1. announcement; grabbed
  - 2. announcement; grabed
  - 3. anouncement; grabbed
  - 4. anounsement; grebbed

Question ID : 264330143242  
Status : Answered  
Chosen Option : 1

**Q.8** Select the most appropriate idiom for the underlined words in the given sentence.

Ritika had a narrow escape as she was driving recklessly on the highway.

- Ans
- 1. come in handy
  - 2. cut both ends
  - 3. cock a snook
  - 4. close shave

Question ID : 264330144313  
Status : Answered  
Chosen Option : 4

**Q.9** Select the option that can be used as a one-word substitute for the given group of words.

Exceptionally clever or talented

- Ans
- 1. Indigenous
  - 2. Studious
  - 3. Assiduous
  - 4. Ingenious

Question ID : 264330143059  
Status : Marked For Review  
Chosen Option : 3

**Q.10** Select the most appropriate option that can substitute the underlined segment in the given sentence.

It is nothing but pride.

- Ans
- 1. nothing ever
  - 2. nothing else
  - 3. nothing seldom
  - 4. nothing so

Question ID : 264330149683  
Status : Answered  
Chosen Option : 2

**Q.11** Select the most appropriate synonym of the underlined word in the given sentence.

The doctors say that majority of the people who attended the fest are ill due to eating of adulterated food.

- Ans
- 1. spicy
  - 2. lascivious
  - 3. contaminated
  - 4. damp

Question ID : 264330144243  
Status : Answered  
Chosen Option : 3

**Q.12** Select the most appropriate synonym of the given word.  
Worn

- Ans  1. Dilemma  
 2. Energetic  
 3. Dilapidated  
 4. Diminutive

Question ID : 264330143209  
Status : Answered  
Chosen Option : 3

**Q.13** Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

- A. before the movie starts  
B. should be there  
C. at least fifteen minutes  
D. the theater management recommends  
E. the audience

- Ans  1. AEDCB  
 2. DEBCA  
 3. EBCAD  
 4. BDCEA

Question ID : 264330142574  
Status : Answered  
Chosen Option : 2

**Q.14** Select the most appropriate synonym of the given word from the following sentence.  
Magical

The stories of The Arabian Nights are enchanting, interesting, vivacious, and natural.

- Ans  1. enchanting  
 2. interesting  
 3. natural  
 4. vivacious

Question ID : 264330141291  
Status : Answered  
Chosen Option : 4

**Q.15** Select the most appropriate ANTONYM of the word 'Regularity' from the given sentence.

The doctor's examination revealed a significant abnormality in the patient's cardiovascular system.

- Ans  1. Examination  
 2. Abnormality  
 3. Significant  
 4. Revealed

Question ID : 264330144159  
Status : Answered  
Chosen Option : 2

**Q.16** Select the option that can be used as a one-word substitute for the given group of words.

The character and atmosphere of a place

- Ans
- 1. Haven
  - 2. Cartography
  - 3. Ligament
  - 4. Ambience

Question ID : 264330143971  
Status : Answered  
Chosen Option : 4

**Q.17** Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

(P) the research paper analyses  
(Q) the relationship between diet and  
(R) disease and the importance of  
(S) exercise in maintaining good health

- Ans
- 1. PRQS
  - 2. QPRS
  - 3. PQSR
  - 4. PQRS

Question ID : 264330144198  
Status : Answered  
Chosen Option : 4

**Q.18** Select the most appropriate synonym of the underlined word in the given sentence.

The deteriorated building was declared unsafe for the inmates.

- Ans
- 1. dilapidated
  - 2. dissipated
  - 3. meliorated
  - 4. reprobated

Question ID : 264330144249  
Status : Answered  
Chosen Option : 2

**Q.19** Select the most appropriate idiom for the underlined segment in the given sentence.

The new entrant in the class felt uncomfortable as all were unfamiliar to him.

- Ans
- 1. Left out in cold
  - 2. Was not given a fig
  - 3. Was fish out of water
  - 4. Buried his head in the sand

Question ID : 264330144364  
Status : Answered  
Chosen Option : 3

**Q.20** Select the option that expresses the given sentence in passive voice.  
Ramya laughed at me.

- Ans
- 1. I am laughed at by Ramya.
  - 2. I were laugh at by Ramya.
  - 3. I was laughed at by Ramya.
  - 4. I shall laugh at by Ramya.

Question ID : 264330149477  
Status : Answered  
Chosen Option : 3

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

His only (1)\_\_\_\_\_ was that he had no rifle. While running away from the village below, he had forgotten the rifle in a hurry. An unpardonable (2)\_\_\_\_\_, but it was now too late to make amends for it. (3)\_\_\_\_\_ he had the rifle, his pursuers would not have dared follow him with such brazen confidence. He would have hidden behind a rock and waited for them. As they came within his rifle's range, he would have picked them off one by one. But now he could do (4)\_\_\_\_\_ about it. He was unarmed. But come what may, he must (5)\_\_\_\_\_ of their rifle's range.

SubQuestion No : 21

**Q.21** Select the most appropriate option to fill in blank number 1.

- Ans
- 1. consolation
  - 2. regret
  - 3. shock
  - 4. joy

Question ID : 264330149522  
Status : Answered  
Chosen Option : 2

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

His only (1)\_\_\_\_\_ was that he had no rifle. While running away from the village below, he had forgotten the rifle in a hurry. An unpardonable (2)\_\_\_\_\_, but it was now too late to make amends for it. (3)\_\_\_\_\_ he had the rifle, his pursuers would not have dared follow him with such brazen confidence. He would have hidden behind a rock and waited for them. As they came within his rifle's range, he would have picked them off one by one. But now he could do (4)\_\_\_\_\_ about it. He was unarmed. But come what may, he must (5)\_\_\_\_\_ of their rifle's range.

SubQuestion No : 22

**Q.22** Select the most appropriate option to fill in blank number 2.

- Ans
- 1. lapse
  - 2. yearn
  - 3. reward
  - 4. crime

Question ID : 264330149523  
Status : Answered  
Chosen Option : 4

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

His only (1)\_\_\_\_\_ was that he had no rifle. While running away from the village below, he had forgotten the rifle in a hurry. An unpardonable (2)\_\_\_\_\_, but it was now too late to make amends for it. (3)\_\_\_\_\_ he had the rifle, his pursuers would not have dared follow him with such brazen confidence. He would have hidden behind a rock and waited for them. As they came within his rifle's range, he would have picked them off one by one. But now he could do (4)\_\_\_\_\_ about it. He was unarmed. But come what may, he must (5)\_\_\_\_\_ of their rifle's range.

**SubQuestion No : 23**

**Q.23** Select the most appropriate option to fill in blank number 3.

- Ans**  1. Has  
 2. Had  
 3. Have  
 4. Did

Question ID : 264330149524  
Status : Answered  
Chosen Option : 4

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

His only (1)\_\_\_\_\_ was that he had no rifle. While running away from the village below, he had forgotten the rifle in a hurry. An unpardonable (2)\_\_\_\_\_, but it was now too late to make amends for it. (3)\_\_\_\_\_ he had the rifle, his pursuers would not have dared follow him with such brazen confidence. He would have hidden behind a rock and waited for them. As they came within his rifle's range, he would have picked them off one by one. But now he could do (4)\_\_\_\_\_ about it. He was unarmed. But come what may, he must (5)\_\_\_\_\_ of their rifle's range.

**SubQuestion No : 24**

**Q.24** Select the most appropriate option to fill in blank number 4.

- Ans**  1. anything  
 2. something  
 3. much  
 4. nothing

Question ID : 264330149525  
Status : Answered  
Chosen Option : 4

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

His only (1)\_\_\_\_\_ was that he had no rifle. While running away from the village below, he had forgotten the rifle in a hurry. An unpardonable (2)\_\_\_\_\_, but it was now too late to make amends for it. (3)\_\_\_\_\_ he had the rifle, his pursuers would not have dared follow him with such brazen confidence. He would have hidden behind a rock and waited for them. As they came within his rifle's range, he would have picked them off one by one. But now he could do (4)\_\_\_\_\_ about it. He was unarmed. But come what may, he must (5)\_\_\_\_\_ of their rifle's range.

**SubQuestion No : 25**

**Q.25** Select the most appropriate option to fill in blank number 5.

- Ans**
- 1. keep from
  - 2. keep within
  - 3. keep out
  - 4. keep of

Question ID : **264330149526**  
Status : **Answered**  
Chosen Option : **3**

**Section : General Intelligence**

**Q.1** What will come in place of the question mark (?) in the following equation if '+' and '×' are interchanged and '-' and '÷' are interchanged?  
 $2 + 6 \div 8 - 4 \times 14 = ?$

- Ans**
- 1. 19
  - 2. 15
  - 3. 12
  - 4. 24

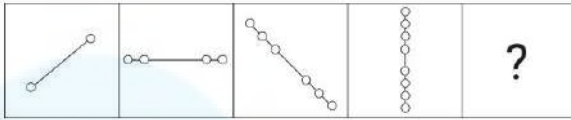
Question ID : **264330151030**  
Status : **Answered**  
Chosen Option : **4**

**Q.2** Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which of the following does NOT belong to that group?

- Ans**
- 1. DEH
  - 2. ABD
  - 3. OPS
  - 4. HIL

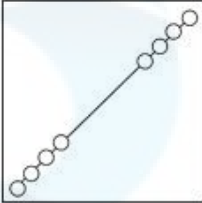
Question ID : **264330146959**  
Status : **Answered**  
Chosen Option : **2**

**Q.3** Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

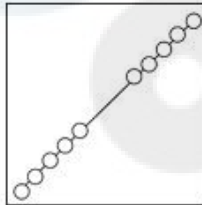


**Ans**

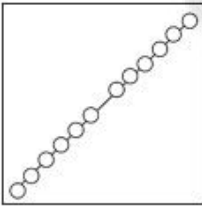
✗ 1.



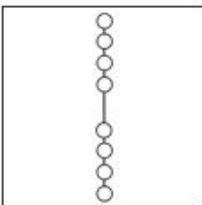
✓ 2.



✗ 3.



✗ 4.



Question ID : 264330147229

Status : Answered

Chosen Option : 2

**Q.4** Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

**Ans**

✓ 1. 9 – 44 – 218

✗ 2. 6 – 31 – 156

✗ 3. 13 – 66 – 331

✗ 4. 16 – 81 – 406

Question ID : 264330155034

Status : Answered

Chosen Option : 1

**Q.5** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

Some books are horses.

All horses are animals.

Some animals are oceans.

Conclusion (I): Some horses are oceans.

Conclusion (II): Some animals are books.

- Ans**
- 1. Both conclusions (I) and (II) are true.
  - 2. Only conclusion (I) is true.
  - 3. Only conclusion (II) is true.
  - 4. Neither conclusion (I) nor (II) is true.

Question ID : 264330151001  
Status : Answered  
Chosen Option : 3

**Q.6** 35 is related to 48 following a certain logic. Following the same logic, 80 is related to 99. To which of the following is 143 related, following the same logic?

- Ans**
- 1. 175
  - 2. 165
  - 3. 178
  - 4. 168

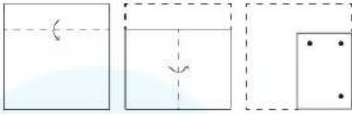
Question ID : 264330147033  
Status : Not Answered  
Chosen Option : --

**Q.7** Each of the letters in the word COUNTED are arranged in alphabetical order. How many letters are there in the English alphabetical series between the letters which is fourth from the left and the one which is second from the right?

- Ans**
- 1. 6
  - 2. 5
  - 3. 3
  - 4. 2

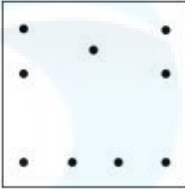
Question ID : 264330147169  
Status : Answered  
Chosen Option : 2

**Q.8** A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?

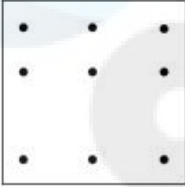


**Ans**

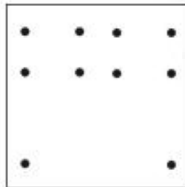
1.



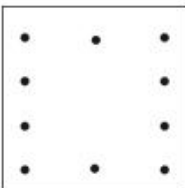
2.



3.



4.



Question ID : 264330147044  
 Status : Answered  
 Chosen Option : 3

**Q.9** In a certain code language, 'WANTED' is coded as '241573' and 'WARNED' is coded as '415278'. What is the code for 'R' in the given code language?

**Ans**

1. 7

2. 2

3. 5

4. 8

Question ID : 264330147198  
 Status : Answered  
 Chosen Option : 4

**Q.10** Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

ZY\_V U\_RQ \_OML KJ\_G F\_CB

- Ans**
- 1. XSPID
  - 2. WTPID
  - 3. XSPHE
  - 4. WTPHE

Question ID : 264330146869  
Status : Answered  
Chosen Option : 4

**Q.11** DNST is related to STDN in a certain way based on a certain relationship between the given letters. In the same way, RXMK is related to MKRX. To which of the following is WBGH related to following the same logic?

- Ans**
- 1. HBWG
  - 2. WGHB
  - 3. WHBG
  - 4. GHWB

Question ID : 264330147110  
Status : Answered  
Chosen Option : 4

**Q.12** Four number pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans**
- 1. 8 – 512
  - 2. 2 – 8
  - 3. 3 – 9
  - 4. 9 – 729

Question ID : 264330152120  
Status : Answered  
Chosen Option : 3

**Q.13** What should come in place of the question mark (?) in the given series?

71, 73, 79, ?, 89, 97

- Ans**
- 1. 81
  - 2. 83
  - 3. 90
  - 4. 84

Question ID : 264330147425  
Status : Marked For Review  
Chosen Option : 1

**Q.14** Select the option in which the letter-clusters share the same relationship as that shared by the given pair of letter-clusters.

OTG : UPK

YND : EIH

- Ans**
- 1. CRY : JVU
  - 2. SAY : MZB
  - 3. GHS : MDW
  - 4. AMO : GIK

Question ID : 264330146952  
Status : Answered  
Chosen Option : 3

**Q.15** In a certain code language, 'lets do it' is written as 'nq pl st' and 'do your work' is written as 'st mr jn'. How is 'do' written in the given language?

- Ans**
- 1. pl
  - 2. mr
  - 3. st
  - 4. nq

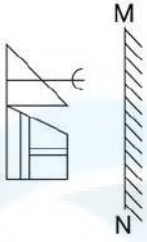
Question ID : 264330147188  
Status : Answered  
Chosen Option : 3

**Q.16** In a certain code language,  
A + B means 'A is the father of B',  
A - B means 'A is the mother of B',  
A × B means 'A is the sister of B' and  
A ÷ B means 'A is the daughter of B'.  
Based on the above, how is T related to R if 'T × Y + E ÷ S - R'?

- Ans**
- 1. Father's sister
  - 2. Sister's mother
  - 3. Brother's daughter
  - 4. Mother's sister

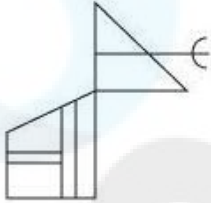
Question ID : 264330150996  
Status : Answered  
Chosen Option : 1

**Q.17** Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



**Ans**

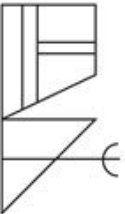
1.



2.



3.



4.



Question ID : 264330146495  
Status : Answered  
Chosen Option : 4

**Q.18** Select the combination of letters that when sequentially placed in the blanks of the given series will make the series logically complete.

P \_ RSPG \_ SP \_ LSPM \_ S

**Ans**

1. CWZO

2. BWVQ

3. ABXY

4. QBWV

Question ID : 264330146742  
Status : Answered  
Chosen Option : 2

**Q.19** Each of the letters in the word WORKING are arranged in alphabetical order. How many letters are there in the English alphabetical series between the letter which is third from the left and the one which is fourth from the right in the new letter cluster thus formed?

- Ans**
- 1. One
  - 2. Six
  - 3. Two
  - 4. Four

Question ID : 264330146637  
Status : Answered  
Chosen Option : 3

**Q.20** Select the triad from the below options that has the same analogy as the following triads.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

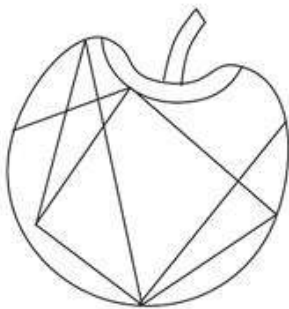
1016 : 254 : 508

2200 : 550 : 1100

- Ans**
- 1. 5700 : 1450 : 2800
  - 2. 160 : 40 : 60
  - 3. 5400 : 1350 : 2700
  - 4. 3400 : 852 : 1600

Question ID : 264330150862  
Status : Answered  
Chosen Option : 3

**Q.21** How many triangles are there in the given figure?



- Ans**
- 1. 6
  - 2. 7
  - 3. 5
  - 4. 4

Question ID : 264330146929  
Status : Answered  
Chosen Option : 2

**Q.22** Which of the following interchanges in two mathematical operators and two numbers will balance the equation given below?

$$84 + 5 \times 4 \div 32 - 7 = 75$$

NOTE: Operations should be performed on numbers not on Digits.

- Ans
- 1. + and  $\times$ , 84 and 32
  - 2. - and  $\div$ , 4 and 7
  - 3.  $\div$  and +, 5 and 7
  - 4. + and -, 5 and 4

Question ID : 264330150915  
Status : Answered  
Chosen Option : 3

**Q.23** In a certain code language,

A + B means 'A is the mother of B'

A - B means 'A is the brother of B'

A  $\times$  B means 'A is the wife of B'

A  $\div$  B means 'A is the father of B'

Based on the above, how is D related to F if 'B + C  $\times$  D - E  $\div$  F'?

- Ans
- 1. Brother's brother
  - 2. Mother's husband
  - 3. Wife's father
  - 4. Father's brother

Question ID : 264330147216  
Status : Answered  
Chosen Option : 4

**Q.24** Which of the following four options can replace the question mark (?) in the following series?

74, 93, ?, 145, 176, 213

- Ans
- 1. 121
  - 2. 116
  - 3. 135
  - 4. 105

Question ID : 264330146754  
Status : Answered  
Chosen Option : 2

**Q.25** FCMJ is related to HEOL in a certain way based on the English alphabetical order. In the same way, RQBL is related to TSDN. To which of the following is MUAG related following the same logic?

- Ans**
- 1. PWDI
  - 2. OXCJ
  - 3. NWDK
  - 4. OWCI

Question ID : 264330151984  
Status : Answered  
Chosen Option : 4

Section : **Quantitative Aptitude**

**Q.1** A boat takes 11 hours to travel a distance upstream and takes 5 hours to travel the same distance downstream. If the speed of the boat in still water is  $2\frac{2}{9}$  m/sec, then the speed of the stream (in km/h) is:

- Ans**
- 1. 2
  - 2. 3
  - 3. 1
  - 4. 4

Question ID : 264330148811  
Status : Answered  
Chosen Option : 2

**Q.2** If  $\sin(A - B) = \frac{1}{2}$ , and  $\sin(A + B) = 1$ , where A and B are positive acute angles and  $A \geq B$ , then A and B are respectively:

- Ans**
- 1.  $80^\circ, 10^\circ$
  - 2.  $60^\circ, 30^\circ$
  - 3.  $70^\circ, 20^\circ$
  - 4.  $50^\circ, 40^\circ$

Question ID : 264330149467  
Status : Answered  
Chosen Option : 2

**Q.3** Third proportion of 15 and 120 is:

- Ans**
- 1. 880
  - 2. 960
  - 3. 900
  - 4. -860

Question ID : 264330150658  
Status : Answered  
Chosen Option : 2

**Q.4** A certain sum was invested at the rate of 10% for a period of 2 years at compound interest and compounded annually. The same sum was invested for the same period and same rate of interest at simple interest. If the difference of compound interest and simple interest was ₹200, find the sum.

- Ans**
- 1. ₹30,000
  - 2. ₹25,000
  - 3. ₹22,000
  - 4. ₹20,000

Question ID : 264330147757  
Status : Answered  
Chosen Option : 4

**Q.5** Sukhen purchased some perishable items for sale but 15% of those items could not be sold and went bad. However, Sukhen managed to sell the rest of the items at a price that helped him earn an overall profit of 19%. At what percentage above the cost price of each item did Sukhen sell each of the items that did NOT go bad?

- Ans**
- 1. 40%
  - 2. 42%
  - 3. 34%
  - 4. 36%

Question ID : 264330146785  
Status : Answered  
Chosen Option : 1

**Q.6** What is the least value of  $x$  for which the number  $712x816$  is divisible by 12?

- Ans**
- 1. 4
  - 2. 1
  - 3. 0
  - 4. 2

Question ID : 264330148778  
Status : Answered  
Chosen Option : 4

**Q.7** The following table gives the number of students who went abroad during 1994-1998.

Year/State	1994	1995	1996	1997	1998
Maharashtra	723	840	900	920	925
Kerala	1035	940	1200	1400	1500
Karnataka	750	600	830	575	900
West Bengal	500	550	450	600	525
Delhi	1500	1625	1700	1475	1800
Andhra Pradesh	800	840	875	925	785
Total	5308	5395	5955	5895	6435

From which state/U.T. did the least number of students go abroad over the years among the given States/U.T.s?

- Ans**
- 1. Maharashtra
  - 2. Karnataka
  - 3. Kerala
  - 4. West Bengal

Question ID : 264330151147  
Status : Answered  
Chosen Option : 4

**Q.8** How many litres of water can a hemispherical tank of radius 2.1 m contain? (Take  $\pi = \frac{22}{7}$ )

- Ans**
- 1. 18984
  - 2. 19324
  - 3. 18404
  - 4. 19404

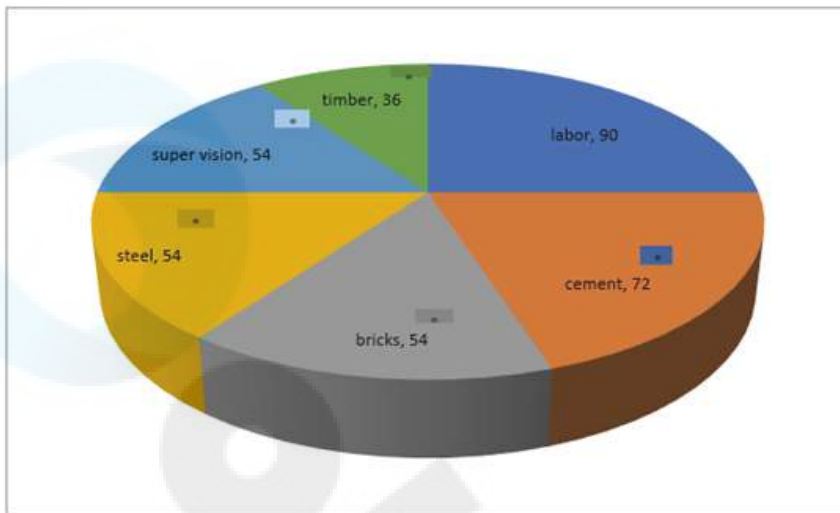
Question ID : 264330148098  
Status : Answered  
Chosen Option : 4

**Q.9** The marked price of a toy car is ₹600. The shopkeeper gives a discount of 4% and still makes a profit of 28%. Find the cost price.

- Ans**
- 1. ₹460
  - 2. ₹420
  - 3. ₹480
  - 4. ₹450

Question ID : 264330146518  
Status : Answered  
Chosen Option : 4

**Q.10** The pie chart shows the cost of construction of a house in degree .



What is the average expenditure on timber, super vision and cement?

- Ans**
- 1. 20%
  - 2. 21%
  - 3. 10%
  - 4. 15%

Question ID : **264330150018**  
Status : **Answered**  
Chosen Option : **4**

**Q.11** The sides of similar triangle  $\triangle ABC$  and  $\triangle DEF$  are in the ratio of  $\frac{\sqrt{3}}{\sqrt{5}}$ . If the area of  $\triangle ABC$  is  $90 \text{ cm}^2$ , then the area of  $\triangle DEF$  (in  $\text{cm}^2$ ) is::

- Ans**
- 1. 150
  - 2. 152
  - 3. 154
  - 4. 156

Question ID : **264330148175**  
Status : **Answered**  
Chosen Option : **1**

**Q.12** A can do a piece of work in 24 days and B can do the same work in 30 days. If they work on it together for 8 days, then the fraction of the work that is left is:

**Ans**

1.  $\frac{2}{3}$

2.  $\frac{2}{5}$

3.  $\frac{3}{5}$

4.  $\frac{1}{3}$

Question ID : 264330147781

Status : Answered

Chosen Option : 2

**Q.13** What will be the perimeter (in cm) of the sector of a circle of radius 4.9 cm having central angle  $144^\circ$  (use  $\pi = \frac{22}{7}$ )?

**Ans**

1. 21.12

2. 23.32

3. 23.23

4. 22.12

Question ID : 264330147914

Status : Not Answered

Chosen Option : --

**Q.14** If  $2\tan^2 A + 4\cos^4 A = 3$ , then the possible value of A is:

**Ans**

1.  $45^\circ$

2.  $60^\circ$

3.  $0^\circ$

4.  $30^\circ$

Question ID : 264330148902

Status : Answered

Chosen Option : 1

Q.15 Simplify:

$$\frac{(612+388)^2+(612-388)^2}{(612 \times 612)+(388 \times 388)} = ?$$

- Ans
- 1. 1
  - 2. 4
  - 3. 2
  - 4. 3

Question ID : 264330148065  
Status : Answered  
Chosen Option : 3

Q.16 If  $a = \cot A + \cos A$  and  $b = \cot A - \cos A$ , then find the value of  $a^2 - b^2 - 4\sqrt{ab}$ .

- Ans
- 1. 0
  - 2. -1
  - 3. 1
  - 4. -4

Question ID : 264330147985  
Status : Answered  
Chosen Option : 3

Q.17 Simplify the following expression.

$$\frac{(a^2 + b^2 - c^2)^2 - (a^2 - b^2 + c^2)^2}{b^2 - c^2}$$

- Ans
- 1.  $3a^2$
  - 2.  $4a^2$
  - 3.  $5a^2$
  - 4.  $2a^2$

Question ID : 264330150001  
Status : Answered  
Chosen Option : 2

Q.18 A dealer gives 10%, 20% and 30% successive discounts on an item. What is the single equivalent discount on the item?

- Ans
- 1. 54.8%
  - 2. 52.8%
  - 3. 47.6%
  - 4. 49.6%

Question ID : 264330148002  
Status : Answered  
Chosen Option : 4

**Q.19** The average age of 30 students in a class is 12 years. The average age of a group of 5 of the students is 10 years and that of another group of 5 of them is 14 years. The average of the remaining students is:

- Ans**
- 1. 14 years
  - 2. 12 years
  - 3. 11 years
  - 4. 13 years

Question ID : 264330150125  
Status : Answered  
Chosen Option : 2

**Q.20** A man spent 30% of his monthly income on rent. He spent 15% of the remaining amount on food. 35% of the amount now left was used for all other expenses. If ₹1,62,435 was left with him, then his monthly income was:

- Ans**
- 1. ₹4,80,000
  - 2. ₹4,20,000
  - 3. ₹3,60,000
  - 4. ₹5,40,000

Question ID : 264330149764  
Status : Answered  
Chosen Option : 4

**Q.21** The radius of a circle is 21 cm. What will be the length (in cm) of an arc of the circle that subtends a  $22.5^\circ$  angle at the centre? [Use  $\pi = \frac{22}{7}$ ]

- Ans**
- 1. 8.25
  - 2. 7.75
  - 3. 8.50
  - 4. 7.50

Question ID : 264330146824  
Status : Answered  
Chosen Option : 1

**Q.22** The area of a triangle is half the area of a square. The perimeter of the square is 172 cm. What is the area of the triangle (in  $\text{cm}^2$ )?

- Ans**
- 1. 924.5
  - 2. 1984
  - 3. 1849
  - 4. 992

Question ID : 264330147679  
Status : Answered  
Chosen Option : 1

**Q.23** A man invested ₹25,400 on simple interest for 9 years to obtain a total amount of ₹67,790 on a certain annual rate of interest. What was the rate of interest (rounded off to 2 decimal places) to obtain the above amount?

- Ans**
- 1. 14.58%
  - 2. 18.54%
  - 3. 18.45%
  - 4. 15.84%

Question ID : 264330151403  
Status : Answered  
Chosen Option : 4

**Q.24** The number of students in three different streams in different colleges are given below.

Stream → College ↓	Science	Arts	Commerce
1	1550	1900	2200
2	1800	1700	2400
3	1650	1850	2250
4	1700	1250	3250

The difference between the average number of students per college in commerce and the average number of students per stream in college 2 (Correct to 2 decimal places) is:

- Ans**
- 1. 558.33
  - 2. 819.67
  - 3. 891.67
  - 4. 981.67

Question ID : 264330150607  
Status : Answered  
Chosen Option : 3

**Q.25** If  $2x + 3y = 4$  and  $4x^2 + 9y^2 = 64$ , then what is the value of  $8x^3 + 27y^3$ .

- Ans**
- 1. 253
  - 2. 235
  - 3. 352
  - 4. 325

Question ID : 264330147990  
Status : Answered  
Chosen Option : 1

Section : General Awareness

Q.1 Kumbh Mela and Sangam are famous in which state?

- Ans
- 1. Meghalaya
  - 2. Uttar Pradesh
  - 3. Manipur
  - 4. Sikkim

Question ID : 264330150970  
Status : Answered  
Chosen Option : 2

Q.2 The Unlawful Activities (Prevention) Act, which provides for the more effective prevention of certain unlawful activities of individuals and associations dealing with terrorist activities, was first put into effect in India in the year:

- Ans
- 1. 1991
  - 2. 1967
  - 3. 2014
  - 4. 1947

Question ID : 264330150372  
Status : Answered  
Chosen Option : 1

Q.3 In 11<sup>th</sup> century, the army of which of the following Cholas reached upto Ganga to invade Bengal?

- Ans
- 1. Rajendra I
  - 2. Rajaraja I
  - 3. Vijayalaya
  - 4. Rajadhiraj I

Question ID : 264330150093  
Status : Answered  
Chosen Option : 3

Q.4 Which of the following is used in solar cookers?

- Ans
- 1. Electrical supply
  - 2. Solar plate
  - 3. Mirror
  - 4. Electrochemical cell

Question ID : 264330145819  
Status : Answered  
Chosen Option : 4

**Q.5** According to Census of India 2011, what is the percentage of the rural population of India?

- Ans**
- 1. 65.25%
  - 2. 70%
  - 3. 69%
  - 4. 68.8%

Question ID : 264330150325  
Status : Answered  
Chosen Option : 4

**Q.6** Article 51 A of the Indian Constitution came in to effect from \_\_\_\_\_.

- Ans**
- 1. 5<sup>th</sup> March 1978
  - 2. 11<sup>th</sup> March 1980
  - 3. 3<sup>rd</sup> January 1977
  - 4. 10<sup>th</sup> March 1979

Question ID : 264330149934  
Status : Answered  
Chosen Option : 1

**Q.7** The 'Karma' tribal dance form is associated with which of the following states?

- Ans**
- 1. Chhattisgarh
  - 2. Goa
  - 3. Kerala
  - 4. Karnataka

Question ID : 264330151201  
Status : Answered  
Chosen Option : 1

**Q.8** Who among the following is a figure in Indian music?

- Ans**
- 1. Vjayanthi mala
  - 2. Asha Bhosle
  - 3. Amrita Pritam
  - 4. Asha Parekh

Question ID : 264330151252  
Status : Answered  
Chosen Option : 3

**Q.9** Which of the following statements is true?

A) Money Supply is a stock concept

B) Currency and Coins with public are not included in M3 measure of money supply

**Ans**

1. Only A

2. Neither A nor B

3. Both A and B

4. Only B

Question ID : 264330145718

Status : Answered

Chosen Option : 3

**Q.10** Hema Malini, a popular dancer and actress, received the \_\_\_\_\_ in 2000.

**Ans**

1. Padma Shri

2. Kabir Samman

3. Padma Vibhushan

4. Kalidas Samman

Question ID : 264330150972

Status : Answered

Chosen Option : 3

**Q.11** What kind of smell do Esters have?

**Ans**

1. Sweet smell like fruits

2. Rotten egg smell

3. Floral smell

4. Pungent smell

Question ID : 264330145842

Status : Answered

Chosen Option : 2

**Q.12** What is the name of the thermionic electron tube used to oscillate and amplify microwave frequency signals?

**Ans**

1. Neutrino

2. Beam tetrodes

3. Klystron

4. Thyatron

Question ID : 264330150719

Status : Answered

Chosen Option : 2

Q.13 The Barren island is situated in the \_\_\_\_\_.

- Ans
- 1. Andaman Sea
  - 2. Gulf of Mannar
  - 3. Arabian Sea
  - 4. Bay of Bengal

Question ID : 264330150264  
Status : Answered  
Chosen Option : 2

Q.14 At the time of Independence of India, the Industrial sector was confined to \_\_\_\_\_.

- Ans
- 1. jute and fertilizers
  - 2. sugar and oil
  - 3. cotton textiles and jute
  - 4. cotton textiles and fertilizers

Question ID : 264330144717  
Status : Answered  
Chosen Option : 3

Q.15 NDP at FC plus net factor income from abroad is equal to \_\_\_\_\_.

- Ans
- 1. NNP at MP
  - 2. NNP at FC
  - 3. GDP at FC
  - 4. GNP at MP

Question ID : 264330145728  
Status : Answered  
Chosen Option : 3

Q.16 Who was appointed as the New Chief Executive Officer of NITI Aayog in 2023?

- Ans
- 1. BVR Subrahmanyam
  - 2. Rajiv Kumar
  - 3. Amitabh Kant
  - 4. Parameswaran Iyer

Question ID : 264330146267  
Status : Answered  
Chosen Option : 3

Q.17 Which of the following teams won the Ranji Trophy 2022-23?

- Ans
- 1. Saurashtra
  - 2. Hyderabad
  - 3. Kerala
  - 4. Bengal

Question ID : 264330152528  
Status : Answered  
Chosen Option : 1

Q.18 Which of the following crops is classified as fine grain?

- Ans
- 1. Bajra
  - 2. Ragi
  - 3. Maize
  - 4. Wheat

Question ID : 264330149347  
Status : Answered  
Chosen Option : 4

Q.19 Who among the following Peshwas signed the Treaty of Bassein with the British East India Company?

- Ans
- 1. Baji Rao II
  - 2. Madhav Rao
  - 3. Narayan Rao
  - 4. Balaji Baji Rao

Question ID : 264330148588  
Status : Answered  
Chosen Option : 4

Q.20 It is possible to derive the value of GDP of a country. Which function of money is applicable here?

- Ans
- 1. Store of value
  - 2. Unit of account
  - 3. Standard of deferred payments
  - 4. Medium of exchange

Question ID : 264330144684  
Status : Answered  
Chosen Option : 3

**Q.21** In which year were the first Olympic Games held?

- Ans**
- 1. 1900
  - 2. 1984
  - 3. 1896
  - 4. 1898

Question ID : 264330145904  
Status : Answered  
Chosen Option : 3

**Q.22** Which of the given statements is/are correct with respect to NAFED?

- i. NAFED is registered under the Multi-State Co-operative Societies Act.
- ii. It was set up with the objective of promoting Cooperative marketing of agricultural produce to benefit farmers.
- iii. It was established in 1956.

- Ans**
- 1. i, ii and iii
  - 2. Only ii
  - 3. Only ii and iii
  - 4. Only i and ii

Question ID : 264330146112  
Status : Answered  
Chosen Option : 1

**Q.23** During the 2022 Commonwealth Games held in Birmingham, how many medals did India win?

- Ans**
- 1. 65
  - 2. 55
  - 3. 61
  - 4. 40

Question ID : 264330150074  
Status : Answered  
Chosen Option : 1

**Q.24** Which of the following are categorised in the Right to Constitutional Remedies in the Indian Constitution?

- Ans**
- 1. Articles 32-35
  - 2. Articles 32-36
  - 3. Articles 31-34
  - 4. Articles 33-36

Question ID : 264330145741  
Status : Answered  
Chosen Option : 1

**Q.25** The target for the first commitment period of the Kyoto Protocol is to reduce emissions of how many greenhouse gases by 5.2% from 1990 levels?

**Ans** ✓ 1. 6

✗ 2. 10

✗ 3. 8

✗ 4. 7

Question ID : 264330145636

Status : Answered

Chosen Option : 3